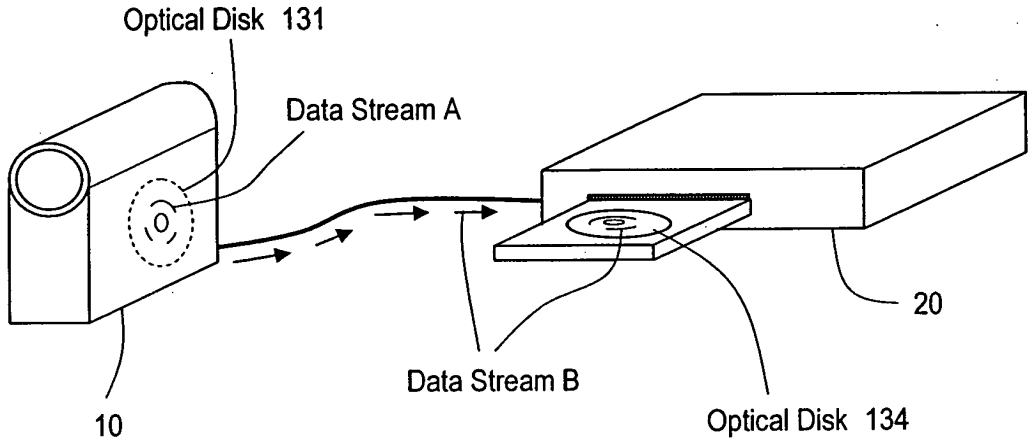
*FIG.1*

(a)




(b)

| | Data Stream A | Data Stream B | Transfer Time |
|---|---|---|---|
| (a) | DVD-VR Standard | DVD-VR Standard | Short |
| (b) | DVD-VR Standard | DVD-VIDEO Standard | Normal |
| (c) | DVD-VIDEO Standard | DVD-VR Standard | Normal |
| (d) | DVD-VIDEO Standard | DVD-VIDEO Standard | Short |

FIG.2

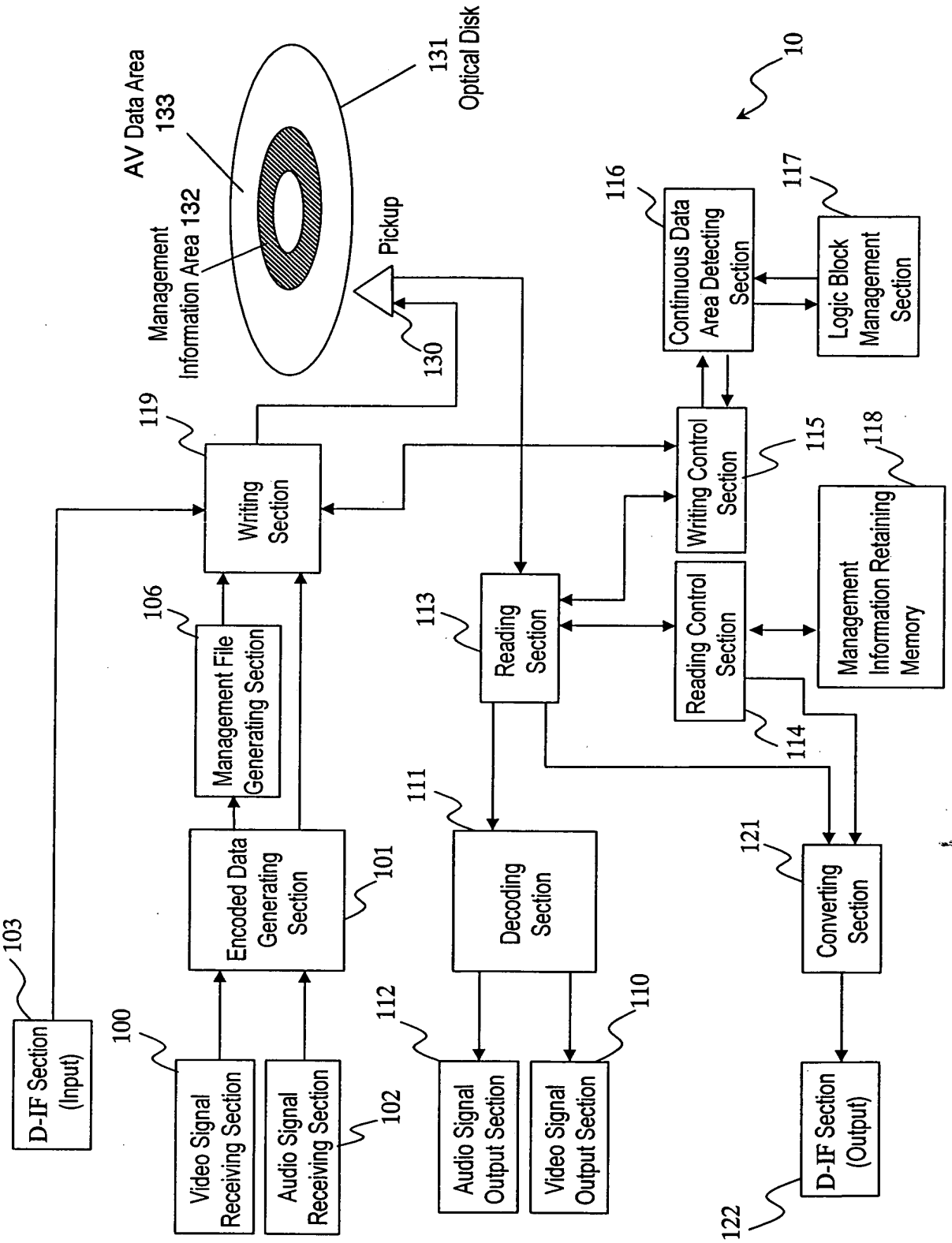

10
131
Optical Disk
AV Data Area
133
Management
Information Area 132
Pickup
130
116
Continuous Data
Area Detecting
Section
117
Logic Block
Management
Section
119
Writing
Section
115
Writing Control
Section
118
Management
Information Retaining
Memory
106
Management File
Generating Section
113
Reading
Section
Reading Control
Section
114
111
Decoding
Section
121
Converting
Section
103
D-IF Section
(Input)
100
Video Signal
Receiving Section
Encoded Data
Generating
Section
101
102
Audio Signal
Receiving Section
112
Audio Signal
Output Section
110
Video Signal
Output Section
122
D-IF Section
(Output)

*FIG.3*

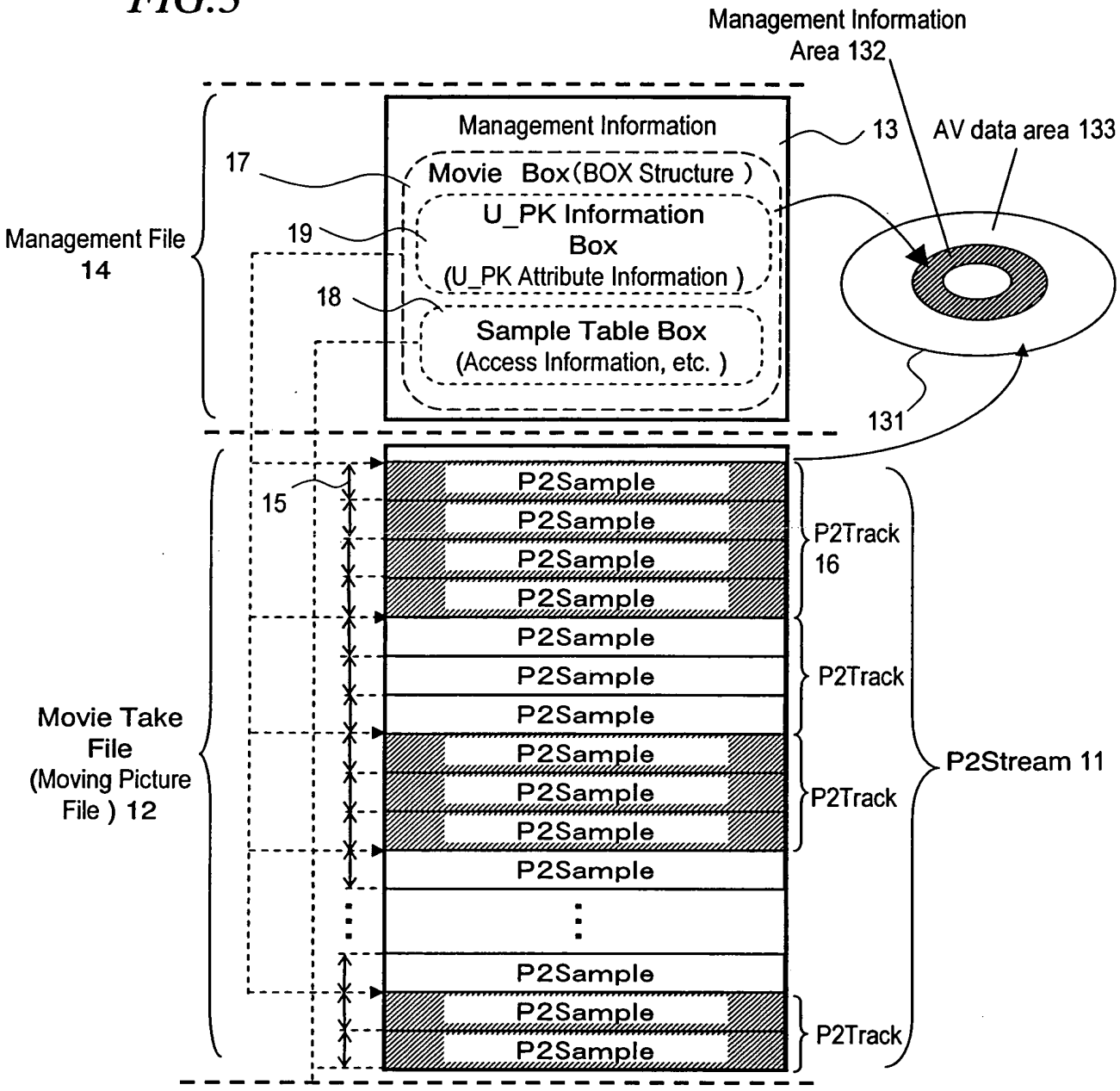
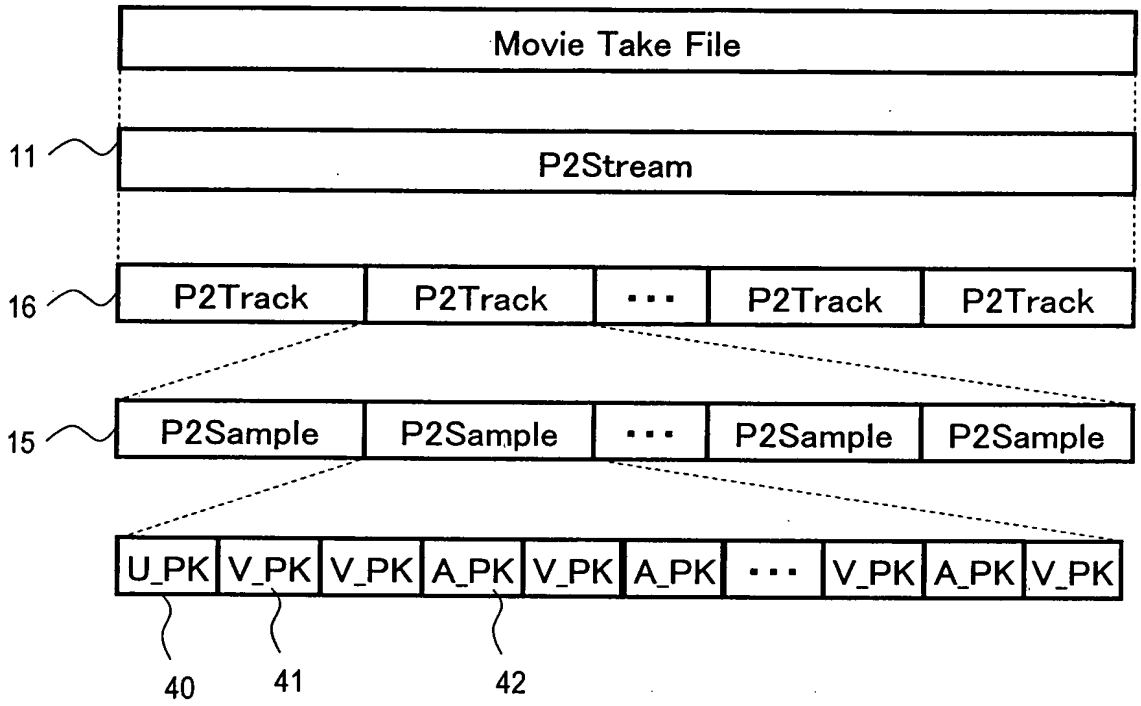

Management Information Area 132
Management Information
13
AV data area 133
17
Movie Box(BOX Structure )
U_PK Information Box
(U_PK Attribute Information )
19
18
Sample Table Box
(Access Information, etc. )
Management File 14
131
15
P2Sample
P2Track 16
P2Track
P2Track
P2Stream 11
Movie Take File (Moving Picture File ) 12

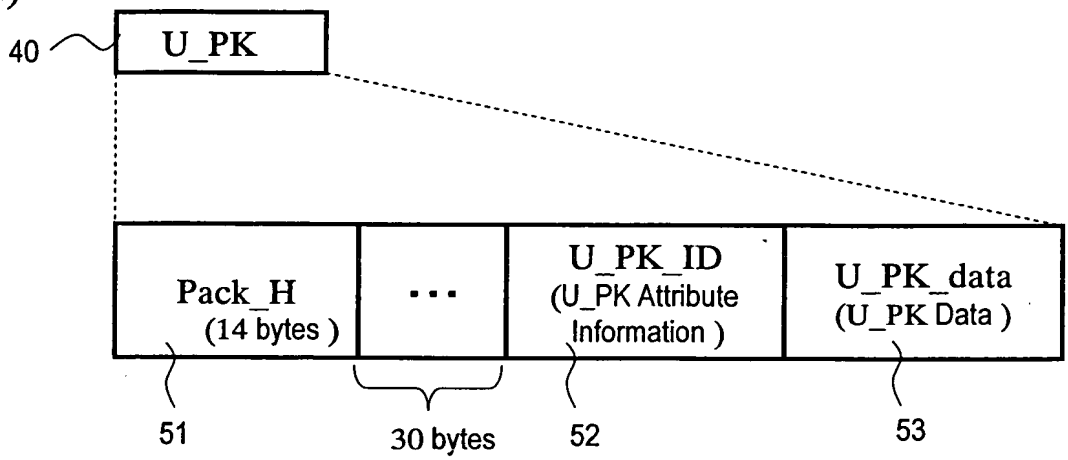
*FIG.4*




V_PK: Video Pack
A_PK: Audio Pack
U_PK: Auxiliary Information Pack

*FIG.5*

(a)




(b)

| 52 U_PK_ID | 53 U_PK_data | |
|---|---|---|
| ⋮ | ⋮ | |
| FF (hex) | U_PK_dummy (Dummy Pack ) | |
| 60 (hex) | U_PK_a (Auxiliary Information a ) | Information about DVD-VR Compliant Stream |
| 00 (hex) | U_PK_b (Auxiliary Information b) | Information about DVD-VIDEO Compliant Stream |
| ⋮ | ⋮ | |

*FIG.6*

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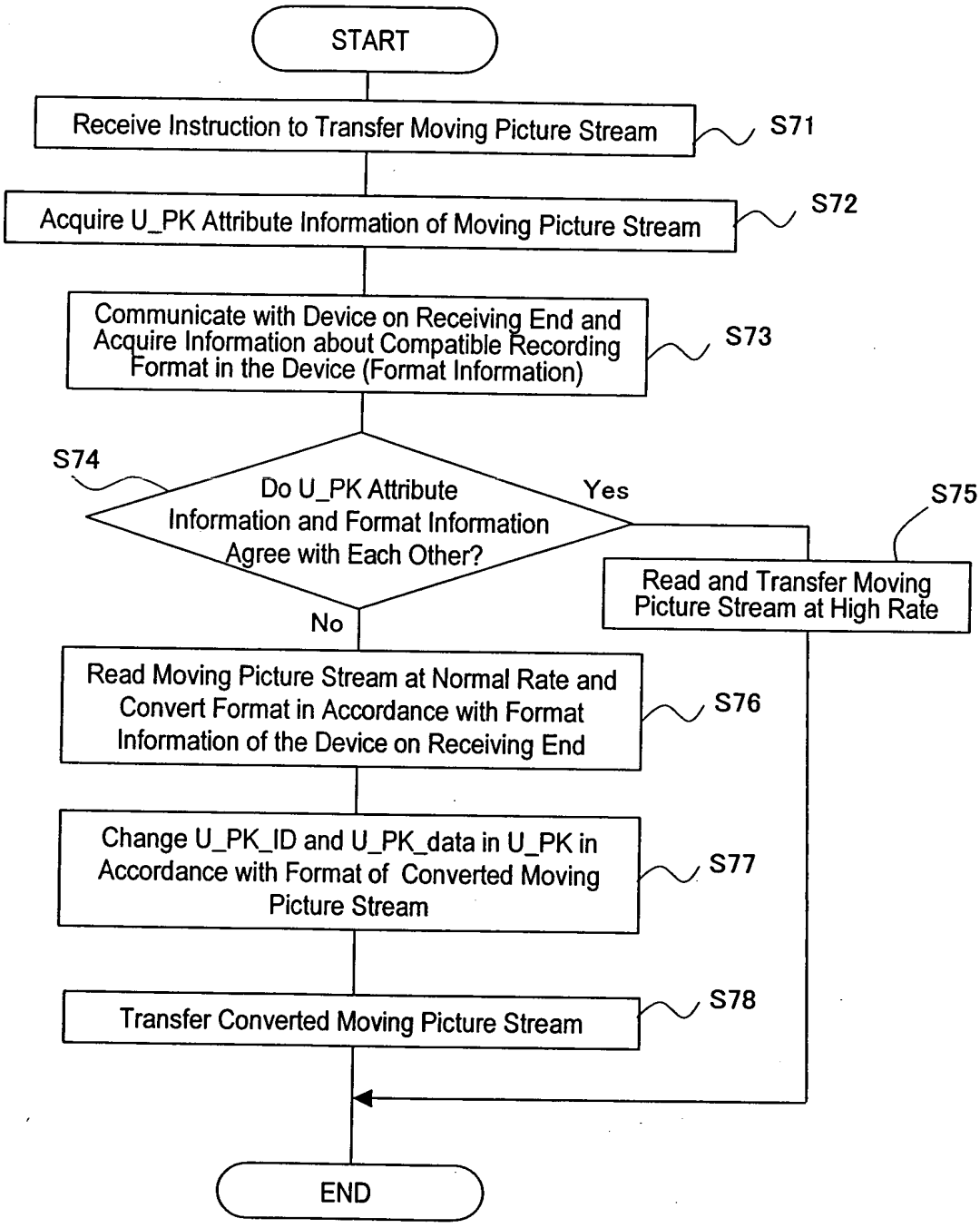
| U_PK_information Box (U_PK Attribute Information ) | Type (Attribute) of U_PK data |
|---|---|
| 01 (hex) | No U_PK (No Insertion into P2Sample) |
| FF (hex) | U_PK_dummy (Dummy Pack ) |
| 60 (hex) | U_PK_a (Auxiliary Information a) |
| 00 (hex) | U_PK_b (Auxiliary Information b) |
| ⋮ | ⋮ |

*FIG.7*


START
Receive Instruction to Transfer Moving Picture Stream
S71
Acquire U_PK Attribute Information of Moving Picture Stream
S72
Communicate with Device on Receiving End and Acquire Information about Compatible Recording Format in the Device (Format Information)
S73
S74
Do U_PK Attribute Information and Format Information Agree with Each Other?
Yes
S75
Read and Transfer Moving Picture Stream at High Rate
No
Read Moving Picture Stream at Normal Rate and Convert Format in Accordance with Format Information of the Device on Receiving End
S76
Change U_PK_ID and U_PK_data in U_PK in Accordance with Format of Converted Moving Picture Stream
S77
Transfer Converted Moving Picture Stream
S78
END